

BACK OFFICE USERS HAVE
VIEW ONLY ACCESS.
TRADERS CAN BE GRANTED
ALL OR LIMITED ACCESS
TO THE COUNTERPARTY'S
AUTHORIZED PRODUCTS

RECURRING ACCESS

CUSTOMER LOGS ON TO WEBSITE VIA INTERNET WITH EXISTING ID AND PASSWORD

22

10

26

CUSTOMER HAS FOLLOWING
OPTIONS AVAILABLE

- FILTERS
- COMPOSITES
- HELP
- READ ETA
- PREFERENCES
- LEGAL AND PRIVACY INFO
- LOG OUT
- CONTACT US
- TRANSACTION SEARCH
- MARKET INFO (DEFINITIONS)
- ADMINISTRATION
- (MASTER USER)

STACK
MANAGER

34

10

CUSTOMER ENTERS QUOTES AREA

CUSTOMER SELCTS THE
BID OR OFFER THEY ARE
INTERESTED IN FROM LIST
OF AUTHORIZED PRODUCTS

28

FIG. 2

EnronOnline - Microsoft Internet Explorer provided by Global Enron Migration Project

File Edit View Favorites Tools Help

Address <https://www.enrononline.com/home>

EnronOnline

ADMINISTRATION | CONTACT US | READ ETA | LEGAL & PRIVACY | HELP | NEW FEATURES | LINKS | LOGOUT

PERSONALIZE | MY QUOTES | POSITIONS | TRANSACTION HISTORY | AUCTIONS

Product Type	Location	Reference Period	Unit	Volume	Bid	Offer
US Gas PHY	Algonquin Gateb	Aug01	USD/MM	1000	6.525	6.535
US Gas PHY	FGT Zone 2	Apr01	USD/MM		5.30	1000
US Gas PHY	FGT Zone 2	19-28Feb01	USD/MM			
US Gas PHY	FGT Zone 2	Feb01	USD/MM	1000	5.18	5.35
US Gas PHY	FGT Zone 2	Moy-Jun01	USD/MM	1000	5.28	1000
US Gas PHY	FGT Zone 2	Apr-Jun01	USD/MM		5.28	1000
US Gas PHY	FGT Zone 2	Mar-Jun01	USD/MM	5000	5.9775	5.9875
US Gas PHY	FGT Zone 2	Apr-Sep01	USD/MM	1000	5.24	
US Gas PHY	FGT Zone 2	Jul01	USD/MM			
US Gas PHY	Michcon	Feb-Apr01	USD/MM		5.33	1000
US Gas PHY	Michcon	Jul01	USD/MM	5000	5.78	5.81
US Gas PHY	Waha PoolX	13Feb01	USD/MM	1000	4.71	5.25
US NG Fin. Swap.	NYMEX	Jul01	USD/MM	10000	3.925	3.935

MAIN / OPTIONS /

TODAY'S TRANSACTIONS

Done Internet

FIG. 3

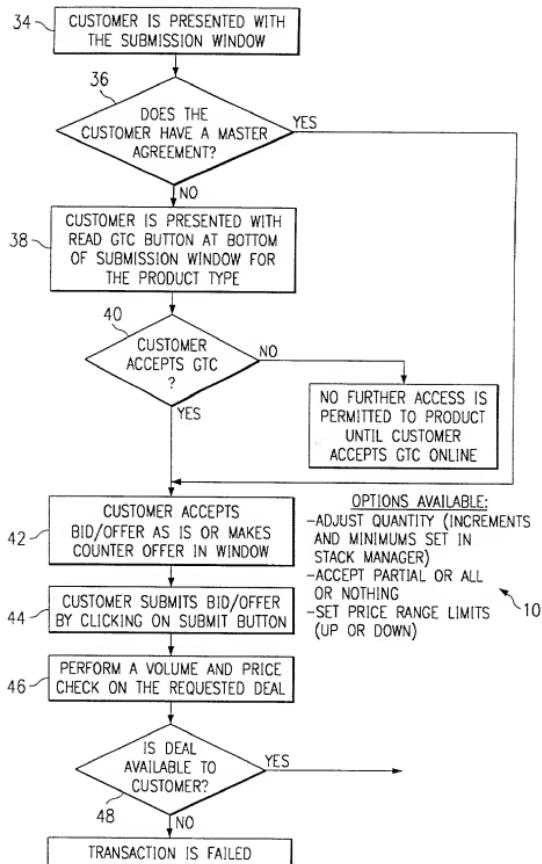


FIG. 4

Buy product

<input checked="" type="radio"/> Create Submission	<input type="radio"/> Create Price Limit Order	
You want to buy	10000	Adjustment Quantity: 10
		Minimum Quantity: 10
US NG Fin. Swap NYMEX		Jul01
		USD/MM
from Enron for 3.935		
<input type="radio"/> All or Nothing <input checked="" type="radio"/> Accept Partial Volume		<input type="checkbox"/> Set Price Range Limit Acceptable Price: 3.935
<input type="button" value="SUBMIT"/>		<input type="button" value="CLEAR"/>
EnronOnline utilizes SSL technology for securing the transfer of your submission data to Enron		

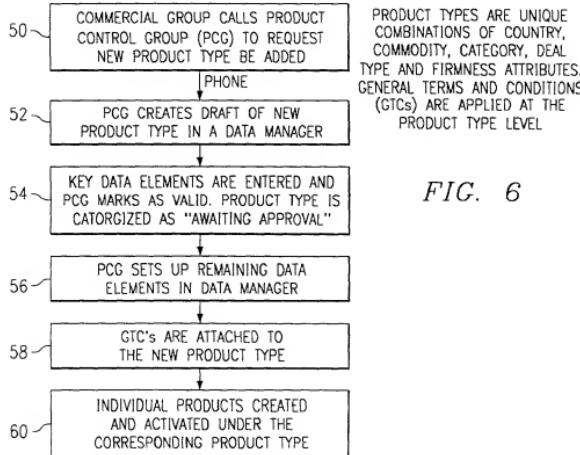


FIG. 5

Microsoft Internet Explorer Transaction History											
ID	Type	Product Description			Volume	Price	Timestamp	User	Master Agreement		
		YYYY	MMDD	HHMMSS							
61949	Sell	UK Gas PHY Fwd Q1 02 NBP p/TH	11.925	1999-11-11	15:08:42	CIPRNY17	N				
61950	Sell	UK Gas PHY Swap DEC99 NBP p/TH 70/50	25000	0	10.13	CIPRNY17	N				
61951	Sell	UK Gas PHY Swap DEC99 NBP p/TH 70/50	10000	0	49.23	CIPRNY17	N				
61952	Buy	UK Gas PHY Cap DA Fees p/TH	1000	0	11.11	CIPRNY17	N				
61953	Buy	LSFO-HSEFO FIN Swap Q4 Ports USD/m ³	5000	0	7.93	CIPRNY17	N				
61954	Buy	UK Gas FIN Swap Q4 Ports USD/m ³	5000	0	3.5	CIPRNY17	N				
61955	Buy	LSFO-HSEFO FIN Swap Q3 Ports USD/m ³	5000	0	12.02	CIPRNY17	N				
61956	Buy	LSFO-HSEFO FIN Swap Q3 Ports USD/m ³	5000	0	7.5	CIPRNY17	N				
61957	Buy	LSFO-HSEFO FIN Swap Q3 Ports USD/m ³	1500	0	5.0	CIPRNY17	N				
61958	Buy	LSFO-HSEFO FIN Swap Q3 Ports USD/m ³	6000	0	8.0	CIPRNY17	N				
61959	Buy	LSFO-HSEFO FIN Swap Q1 00 Ports USD/m ³	5000	0	5.25	CIPRNY17	N				
61960	Buy	LSFO Power FIN Swap Q1 00 PHM-TW BASE ESP/kWh	2400	0	5.74	CIPRNY17	N				
61961	Buy	LSFO Power FIN Swap Q1 00 PHM-TW INCx5.01195 ESP/kWh	11000	0	4.0	CIPRNY17	N				
61962	Buy	LSFO Power FIN Swap Q1 00 PHM-TW INCx5.01195 ESP/kWh	500	0	6.18	CIPRNY17	N				
61963	Buy	LSFO Power FIN Swap Q1 00 PHM-TW INCx5.01195 ESP/kWh	500	0	30.77	CIPRNY17	N				
61964	Buy	LSFO Power FIN Swap APR00 C EP1 BASE DEMXXX	5	0	15.1207	CIPRNY17	N				
61965	Buy	BEL Gas PHY Loc Swap DEC99 120/120 p/TH	10000	0	12.875	CIPRNY17	N				
61966	Buy	BEL Gas PHY Fwd Q1 00 ZT01 p/TH	5000	0	2.2	CIPRNY17	N				
61967	Buy	BEL Gas PHY Fwd Q1 00 ZT01 p/TH	25000	0	12.69	CIPRNY17	N				
61968	Buy	UK Gas PHY Fwd DEC99 ZT01 p/TH	25000	0	10.55	CIPRNY17	N				
61969	Buy	UK Gas PHY Fwd JAN00 NBP p/TH	25000	0	2.14	CIPRNY17	N				
61970	Buy	UK Power FIN Swap Q1 00 PPP BASE EUCAL 2399 XXXX	20	0	40.87	CIPRNY17	N				
61971	Buy	UK Power FIN Swap Q1 00 PPP BASE GBPXXXX	20	0	19.8	CIPRNY17	N				
61972	Buy	UK Gas PHY Fwd Q1 02 NBP p/TH	25000	0	11.95	CIPRNY17	N				
61973	Buy	UK Gas PHY Fwd DEC99 NBP p/TH 70/50	25000	0	10.12	CIPRNY17	N				
61974	Buy	UK Gas PHY Swap DEC99 NBP p/TH 70/50	10000	0	50.18	CIPRNY17	N				
61975	Buy	UK Gas PHY Cap DA Fees p/TH	1000	0	7.96	CIPRNY17	N				
61976	Buy	Gen Power FIN Swap APR00 CEP1 BASE DEMXXX	500	0	31.02	CIPRNY17	N				
61977	Buy	Bel Gas PHY Fwd DEC99 120/120 p/TH	10000	0	12.85	CIPRNY17	N				
61978	Buy	UK Gas PHY Fwd DEC99 NBP p/TH	25000	0	2.19	CIPRNY17	N				
					10.8	CIPRNY17	N				
Commodity											
Price		Timestamp		User		Master Agreement					
Currency		Commodity		Product Description		Sort By		Product Type		Search	
User		Date		Description		Type		Date		Search	
Sort By		Date		Description		Type		Date		Search	
Search		On or After		1999		1		2000		1	
Search		On or Before		1999		1		2000		1	

FIG. 7

Add Product of Type - US Gas FIN OPT

Product Details | Quote Details/Trading Hours | Garbage Checking | Transactions |

Quote Details

Normally Trades in MinimumTradeQuantity
Offered in Maximum Trade Quantity
Quoted in Volumetric Increment
per Price Ticksize

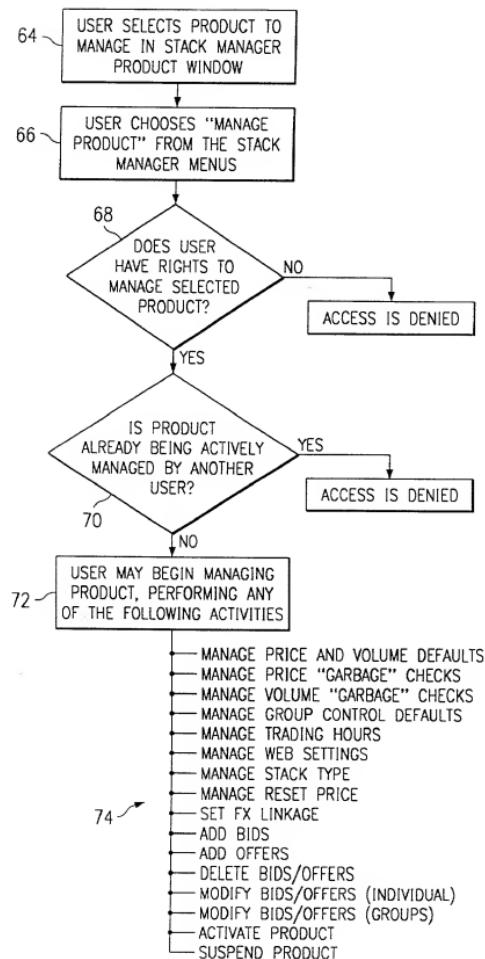
Suppress FX email notification?

Trading Hours

Trading Timezone Trading Normally Starts 08:00 AM
Product Trades on Trading Normally Stops 06:00 PM
 Trading Starts Today 08:00 AM
 Trading Stops Today 06:00 PM

0985522332202

FIG. 9



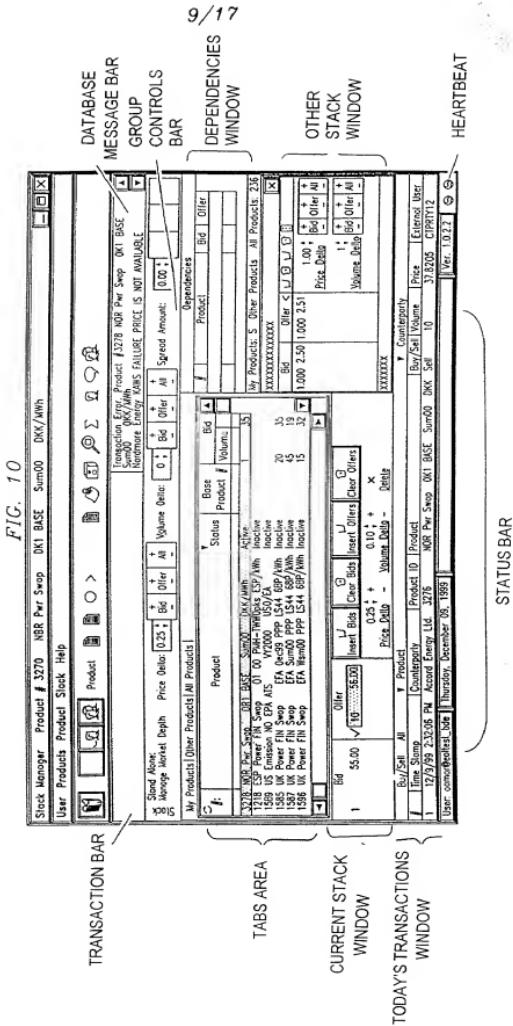


FIG. 11 10/17

Product #: 173

Bid	Offer	<	U	U	U	X
9,000	9.500	25,000	9.550	Price Delta: 0.050 <input type="button" value="+"/> <input type="button" value="Bid"/> <input type="button" value="-"/> <input type="button" value="Offer"/> <input type="button" value="All"/>		
25,000	9.450	25,000	9.600	Volume Delta: 500 <input type="button" value="+"/> <input type="button" value="Bid"/> <input type="button" value="-"/> <input type="button" value="Offer"/> <input type="button" value="All"/>		
25,000	9.400	25,000	9.650	Spread Amount: 5.000 <input type="button" value="+"/> <input type="button" value="Bid"/> <input type="button" value="-"/> <input type="button" value="Offer"/> <input type="button" value="Keep Mid"/>		
25,000	9.350	25,000	9.700	Selected Items 0.050 <input type="button" value="+"/> Change Price		
25,000	9.300	25,000	9.750	500 <input type="button" value="+"/> Change Volume Delete Selected		

FIG. 12

Product #: 1872 - UK Gas PHY Fwd BW NBP p/TH - Active

Read Only	Manager: AOMAR	Access Level: Read/Trade	Is Base Product: No
Time: (GMT)			
Trade Start Time (0:23 hours)	8 <input type="button" value=":"/> 0 <input type="button" value=":"/> 0	Trade End Time (0:23 hours)	18 <input type="button" value=":"/> 0 <input type="button" value=":"/> 0
		Keep Awake	
Price Controls			
Price Delta:	0.05 <input type="button" value="+"/> <input type="button" value="0.05"/>	* Absolute Price Check	Percent Price Check
Garbage Check Price:	9.85 <input type="button" value="+"/> <input type="button" value="9.85"/>	Warning Change: 4.00 <input type="button" value="+"/> <input type="button" value="4.00"/>	Warning Percent: 20 <input type="button" value="+"/> <input type="button" value="20"/>
<input checked="" type="checkbox"/> Constant Spread Amount	0.50 <input type="button" value="+"/> <input type="button" value="0.50"/>	Failure Change: 4.99 <input type="button" value="+"/> <input type="button" value="4.99"/>	Failure Percent: 20 <input type="button" value="+"/> <input type="button" value="20"/>
		<input checked="" type="checkbox"/> Total Periods:	7.50 <input type="button" value="+"/> <input type="button" value="7.50"/>
Volume Controls			
Volume Delta:	5000 <input type="button" value="+"/> <input type="button" value="5000"/>	Link: Stand Alone <input type="button" value="Stand Alone"/>	Stack <input type="button" value="Stack"/>
Volume Warning:	500000 <input type="button" value="+"/> <input type="button" value="500000"/>	Reset: Basis Link Syncopated Stock Syncopated Basis	xxxxxx <input type="button" value="xxxxxx"/> 5000 <input type="button" value="5000"/>
		Reset Volume:	25000 <input type="button" value="25000"/>
WEB Settings			
Changing of the WEB settings will suspend the product			
Volume Increment:	5000 <input type="button" value="+"/> <input type="button" value="5000"/>	Price Tick:	0.05 <input type="button" value="+"/> <input type="button" value="0.05"/>
Min Volume:	10000 <input type="button" value="+"/> <input type="button" value="10000"/>	<input checked="" type="checkbox"/> Visible on WEB	
		<input type="button" value="Cancel"/>	

FIG. 13

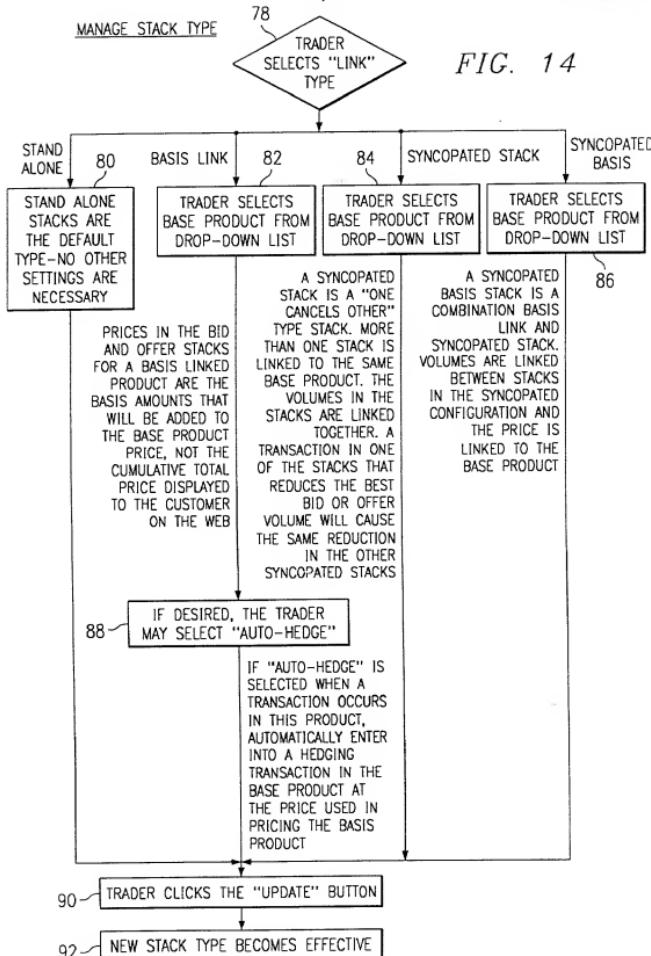
The screenshot shows the Stock Manager application with the following interface elements:

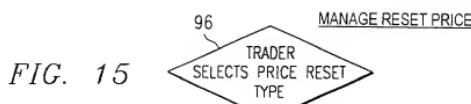
- Top Bar:** Stock Manager, Product # 231, U1 Gas PHF Fed Bow KDP Pencil/Blk, Help.
- Left Sidebar:** User, Products, Product Stack, Help.
- Product List:** A table with columns: Product, Status, Base, Predict, Bid, Volume. It shows 10 rows of data for various products.
- Selected Product View:** A detailed view for Product #231 (U1 Gas PHF Fed Bow KDP Pencil/Blk). It includes:
 - Basic Info:** Price: 0.00, Volume: 0.00, Bid: 0.00, Offer: 0.00, Spread: 0.00.
 - Dependences:** Bid, Offer, US Gas, F100, Bid, Offer.
 - Historical Data:** A table with columns: Date, Bid, Offer, US, Gas, F100, Bid, Offer. It shows 10 rows of historical data from 2000-09-20 to 2000-09-21.
 - Order Book:** A table with columns: Order Type, Price, Volume, Side, Order Type, Price, Volume, Side. It shows 10 rows of order book data.
 - Other Offers:** A table with columns: Order Type, Price, Volume, Side, Order Type, Price, Volume, Side. It shows 10 rows of other offers data.
 - Buttons:** Insert, Edit, Clear, Insert Offer, Clear Offers, Selected Items, Change Price, Change Volume, Delete, Selected.
- Bottom Bar:** User, control/selected, last, Wednesday, September 06, 19 01:59:23, pm.

STACK &
PRICES OF
BASE PROD

ADDITIONAL PRICE SHOWN TO CUSTOMER
OF THE BASIS LINK PRODUCT

12/17





WHEN RESET PRICE TYPE IS MANAGE MARKET DEPTH THE TRADER IS RESPONSIBLE FOR CREATING ALL BIDS AND OFFERS. ENTRIES ARE SHOWN IN THE ORDER ADDED. PRICES AND VOLUMES FOR EACH ENTRY MAY BE AMENDED. IF "DRAW FROM LOWER IN STACK" IS SELECTED, WHEN A TRANSACTION IS PERFORMED THE NEXT ITEM SHOWN TO CUSTOMERS WILL BE ONE THAT HAS THE SAME PRICE AS THE PREVIOUS TOP OF THE STACK, REGARDLESS OF ITS POSITION IN THE STACK

98 TRADER MAY CHECK THE "DRAW FROM LOWER IN STACK" CHECKBOX

MANAGE MARKET DEPTH WHEN RESET PRICE TYPE IS LAST TRADE THE SPREAD AMOUNT IS USED TO DETERMINE THE ADJUSTED PRICES FOR THE BEST BID AND OFFER ENTRIES. THIS RESET OCCURS WHENEVER THE VOLUME OF THE BEST BID OR OFFER FALLS BELOW THE MINIMUM VOLUME VALUE. DEPENDING ON WHETHER THE BID OR OFFER VOLUME WAS DEPLETED A NEW BID OR OFFER ENTRY WILL BE CREATED AT THE RESET VOLUME

LAST TRADE IS MID WHEN RESET PRICE TYPE IS OFFSET TO LAST TRADE A RESET IS TRIGGERED WHENEVER THE BEST BID OR OFFER VOLUME FALLS BELOW THE MINIMUM VOLUME VALUE. DEPENDING ON WHETHER THE BID OR OFFER VOLUME WAS DEPLETED A NEW BID OR OFFER ENTRY WILL BE CREATED AT THE RESET VOLUME WITH A PRICE THAT IS THE OFFSET AMOUNT AWAY FROM THE PREVIOUS BID OR OFFER

OFFSET TO LAST TRADE

100

TRADER SETS SPREAD VALUE NEXT TO "CONSTANT SPREAD AMOUNT" CHECKBOX

101 THE "CONSTANT SPREAD AMOUNT" CHECKBOX IS INACTIVE FOR THIS RESET TYPE

104

TRADER SETS "RESET VOLUME" AMOUNT

102

TRADER SETS "OFFSET AMOUNT"

106

TRADER SETS "RESET VOLUME"

108

TRADER CLICKS THE "UPDATE" BUTTON

110

NEW PRICE RESET FUNCTIONALITY BECOMES EFFECTIVE

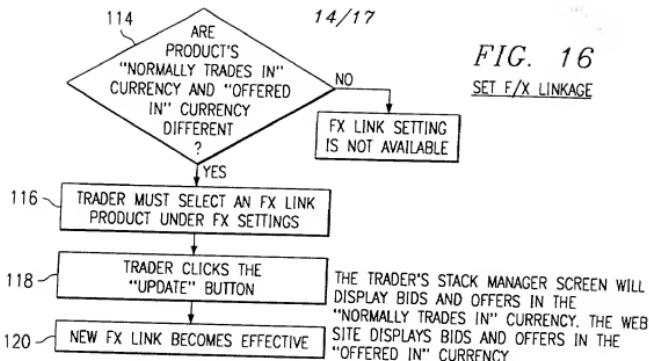


FIG. 17

Product #: 2093 - CAN Gas Swap		CGPH AEKO	Jan -Oct100	USD/GJ	Inactive	
Read Only		Access Level: Read/Trade		Is Base Product: No		
Manager: AOMAR		Time: (MST)				
Trade Start Time (0:23 hours)		8 <input type="button" value=":"/> <input style="width: 20px;" type="button" value="0"/> Trade End Time (0:23 hours)	13 <input type="button" value=":"/> <input style="width: 20px;" type="button" value="0"/>	Keep Awake		
Price Controls						
Price Delta:	<input style="width: 50px; height: 25px; border: 1px solid black; border-radius: 5px; text-align: center; padding: 2px;" type="button" value="1.00"/> <input type="button" value="Absolute Price Check"/>	<input type="button" value="Percent Price Check"/>	Auto Hedge			
Garbage Check Price:	<input style="width: 50px; height: 25px; border: 1px solid black; border-radius: 5px; text-align: center; padding: 2px;" type="button" value="2.50"/> <input type="button" value="Warning Change: 45.00"/>	<input type="button" value="Warning Percent: 20"/>	Option Delta: <input type="button" value="0.01"/>			
<input checked="" type="checkbox"/> Constant Spread Amount	<input style="width: 50px; height: 25px; border: 1px solid black; border-radius: 5px; text-align: center; padding: 2px;" type="button" value="0.01"/> <input type="button" value="Failure Change: 50.00"/>	<input type="button" value="Failure Percent: 20"/>	<input checked="" type="checkbox"/> Total Periods: <input type="button" value="305.00"/>			
Volume Controls						
Volume Delta:	<input style="width: 50px; height: 25px; border: 1px solid black; border-radius: 5px; text-align: center; padding: 2px;" type="button" value="1"/> <input type="button" value="Link: Stand Alone"/>	<input type="button" value="Stack"/>				
Volume Warning:	<input style="width: 50px; height: 25px; border: 1px solid black; border-radius: 5px; text-align: center; padding: 2px;" type="button" value="50000"/> <input type="button" value="Reset: Lost Trade is Mid"/>	<input type="button" value="0.01"/>				
Reset Volume: <input type="button" value="1000"/>						
FX Settings						
FX Link	1 CAD to USD Spot					
<input type="checkbox"/> 1 CAD to USD Spot	<input type="checkbox"/> 2 CAD to USD Winter 2000					
WEB Set	<input type="checkbox"/> 2 CAD to USD Winter 2000					
Changing of the WEB settings will suspend the product						
Volume Increment:	<input style="width: 50px; height: 25px; border: 1px solid black; border-radius: 5px; text-align: center; padding: 2px;" type="button" value="1"/> <input type="button" value="Price Tick: 1.00"/>	<input checked="" type="checkbox"/> Visible on WEB				
Min Volume:	<input type="button" value="1000"/>					<input type="button" value="Update"/>
					<input type="button" value="Cancel"/>	

FIG. 18

EOLEST - Chris ICA Client

Stock Manager Product #: 1798 NOR Power FIN Swap YR2001 SYS BASE NOV/WNH

User Products Product Stock Help

Product > Product

Today is Friday, December 3, 1999

Stand Alone: 2.25: Bid Other All Volume Delta: 1: Bid Other All Spread Amount: 1.50: None Keep Bid Offer Mid

My Products/Other Products/All Products

C:	Product	Status	Bid	Offer	Volume	Price	Dependences
1586	UK Power FIN Swap	EA/Win01 PPP	1544 GBP/MWh	Inactive	15	32.00	133.00 120
1587	UK Emission NO Swap	EA/Sum00 PPP	1544 GBP/MWh	Inactive	45	19.50	19.50 5
1589	US Emission NO Swap	EA/ANS YR2000	150/EA	Inactive	120	30.40	30.60 20
1590	UK Power FIN Swap	EA/Win01 PPP	1544 GBP/MWh	Inactive	120	19.50	19.50 20
1591	UK Power FIN Swap	EA/Sum01 PPP	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1592	UK Power FIN Swap	EA/Sum00 SYS	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1593	NOR Power FIN Swap	YR2000 SYS	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1594	NOR Power FIN Swap	YR2001 SYS	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1595	NOR Power FIN Swap	YR2002 SYS	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1596	NOR Power FIN Swap	YR2003 SYS	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1597	NOR Power FIN Swap	YR2004 SYS	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1598	US Power FIN Swap	YR2000 SYS	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1599	US Power FIN Swap	YR2001 SYS	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1600	US Power FIN Swap	YR2002 SYS	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1601	US Power FIN Swap	YR2003 SYS	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1602	US Power FIN Swap	YR2004 SYS	1544 GBP/MWh	Inactive	120	30.40	30.60 20
1603	C/N Gas Swap	CFR ACO JAN-01/00	155/160	Inactive	25,000	7.75	2.44 25.0
1604	C/N Gas Swap	CFR ACO JAN-01/00	155/160	Inactive	1,000	7.727	3.8482 1.00

Product Category

Time Stamp Product

Buy/Sell Volume Price

Counterparty

My Products Other Products All Products

Extended Use

FX PRODUCT CANDIDATE

POTENTIAL FX CANDIDATE

LINKED TO

FIG. 19

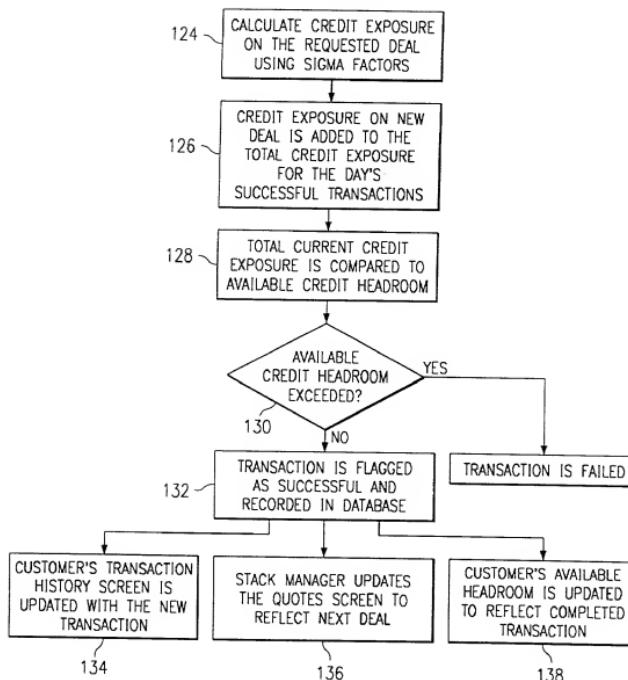


FIG. 20 17/17

